

No.20-271/2010 AS-I (Vol.-III)
Government of India
Ministry of Communications
Department of Telecommunications
(Access Services Wing)
20, Ashoka Road, New Delhi - 110001

Dated 06th May, 2022

To,

All Unified Licensees

Subject: Amendment in Unified License Agreement for satellite-based connectivity for low bit-rate application - reg.

As per the Condition 5.1 of Chapter-I of Unified License (UL) Agreement, the Licensor reserves the right to modify at any time the terms and conditions of the License, if in the opinion of the Licensor it is necessary or expedient to do so in public interest or in the interest of the security of the State or for the proper conduct of the telegraphs. In pursuance of this condition, the Licensor hereby amends/ appends the following in the UL Agreement:

S. N.	Existing Clause	Amended Clause
1	PART-I, CHAPTER-III FINANCIAL CONDITIONS 18.4 Space Segment Charges: 18.4.1 In case of Satellite based service, the space segment charges will be payable to Department of Space (DoS) as applicable and/or as may be specified from time to time.	PART-I, CHAPTER-III FINANCIAL CONDITIONS 18.4 Space Segment Charges: 18.4.1 In case of Satellite based service, the space segment charges will be payable to Department of Space (DoS)/space segment provider as applicable.
2	PART-II, CHAPTER-X, NATIONAL LONG DISTANCE SERVICE 2. Scope of the NLD Services 2.2(i) The Licensee can provide bandwidth to other telecom service licensee also.	PART-II, CHAPTER-X, NATIONAL LONG DISTANCE SERVICE 2. Scope of the NLD Services 2.2(i) The Licensee can provide bandwidth to other telecom service licensees also. Further, the licensee can also provide connectivity to the service providers which have obtained registration for M2M service.

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	<p>2.2(ii) The Licensee may share "passive" infrastructure namely building, tower, dark fibre, duct space, Right of Way owned, established and operated by it under the scope of this Authorization with other Licensees.</p>	<p>2.2(ii) The Licensee may share "passive" infrastructure namely building, tower, dark fibre, duct space, Right of Way owned, established and operated by it under the scope of this Authorization with other Licensees.</p>
3	<p>PART-II, CHAPTER-XII, GMPCS SERVICE</p> <p>2. Scope of the GMPCS Service: Scope of this Authorization covers the following:</p> <p>2.1 The licensee may provide, in its area of operation, all types of mobile services including voice and non-voice messages, data services by establishing GMPCS Gateway utilizing any type of network equipment including circuit and/or packet switches.</p> <p>2.2 The Licensee shall establish Land Earth Station Gateway in India for the purpose of providing Global Mobile Personal Communication by Satellite (GMPCS) Service. GMPCS Service may be provided using one or more Satellite Systems provided that the Land Earth Station Gateway Switch is established separately in India for each Satellite System.</p> <p>6. Operating Conditions:</p> <p>6.1 Use of space segment</p> <p>(i) As mentioned in Chapter VII of the license agreement, separate clearances/ License shall be obtained by the Licensee directly from the WPC Wing of</p>	<p>PART-II, CHAPTER-XII, GMPCS SERVICE</p> <p>2. Scope of the GMPCS Service: Scope of this Authorization covers the following:</p> <p>2.1 The licensee may provide, in its area of operation, all types of mobile services, including voice and non-voice messages, data services by establishing GMPCS Gateway utilizing any type of network equipment including circuit and/or packet switches. The licensee may also provide satellite-based data connectivity to the IoT devices/ Aggregator devices.</p> <p>2.2 The Licensee shall establish Land Earth Station Gateway in India for the purpose of providing Global Mobile Personal Communication by Satellite (GMPCS) Service. GMPCS Service may be provided using one or more Satellite Systems provided that the Land Earth Station Gateway Switch is established separately in India for each Satellite System.</p> <p>6. Operating Conditions:</p> <p>6.1 Use of space segment</p> <p>(i) As mentioned in Chapter VII of the license agreement, separate clearances/ License shall be obtained by the Licensee directly from the WPC Wing of</p>

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<p>DoT.</p> <p>(ii) The operation of space segment will be governed by instructions and procedures of Network Operations Control Center (NOCC).</p> <p>(iii) The space segment monitoring charges shall be payable to NOCC by Licensee as per the rates decided by Licensor.</p> <p>7. Security conditions:</p> <p>7.4 The designated Authority of the Central/State Government as conveyed by the Licensor from time to time shall have the right to monitor the telecommunication traffic in every Gateway set up in India. The Licensee shall make arrangement for monitoring of calls as given below:</p> <table border="1" data-bbox="279 1433 845 1668"> <thead> <tr> <th>Total Subscriber Base</th> <th>Calls to be monitored upto</th> </tr> </thead> <tbody> <tr> <td>Upto1000</td> <td>50</td> </tr> <tr> <td>1000-2000</td> <td>100</td> </tr> <tr> <td>2000-3000</td> <td>150</td> </tr> <tr> <td>3000-5000</td> <td>200</td> </tr> </tbody> </table> <p>The above will be the total number of target subscribers to be monitored at any given time by either one or more of the security agencies. The monitoring requirement including the figures mentioned above may be modified from time to time by issuing separate</p>	Total Subscriber Base	Calls to be monitored upto	Upto1000	50	1000-2000	100	2000-3000	150	3000-5000	200	<p>DoT.</p> <p>(ii) The operation of space segment will be governed by instructions and procedures of Network Operations Control Center (NOCC).</p> <p>(iii) The space segment monitoring charges shall be payable to NOCC by Licensee as per the rates decided by Licensor.</p> <p>(iv) The required space segment shall be obtained by the Licensee from Department of Space (DoS) or space segment provider duly authorized by DoS on terms and conditions as specified by DoS or space segment provider from time to time.</p> <p>7. Security conditions:</p> <p>7.4 The designated person of the Central/ State Government as conveyed to the Licensor from time to time in addition to the Licensor or its nominee shall have the right to monitor the telecommunication traffic in every Gateway /Sub-Gateway/ Routers or any other technically feasible point in the network set up by the Licensee in India. The Licensee shall make arrangements for monitoring simultaneous calls by Government security agencies. The Interface requirements as well as features and facilities as defined by the Licensor should be implemented by the Licensee for both data and speech.</p> <p>The Licensee should ensure suitable redundancy in the complete chain of Lawful Interception and Monitoring equipment for trouble free operations of monitoring of at least 480 simultaneous calls as per requirement</p>
Total Subscriber Base	Calls to be monitored upto										
Upto1000	50										
1000-2000	100										
2000-3000	150										
3000-5000	200										

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	instructions/directions.	<p>with at least 30 simultaneous calls for each of the designated security/ law enforcement agencies. Each Satellite Gateway of the Licensee shall have the capacity for provisioning of at least 3000 numbers for monitoring. Presently there are ten (10) designated security/ law enforcement agencies. The above capacity provisions and no. of designated security/ law enforcement agencies may be amended by the Licensor separately by issuing instructions at any time.</p> <p>For establishing connectivity to Centralized Monitoring System, the Licensee at its own cost shall provide appropriately dimensioned hardware and bandwidth/dark fibre upto a designated point as required by Licensor from time to time. However, the respective Government instrumentality shall bear the cost at its end hardware and leased line circuits from the Gateway or from the designated point as the case may be, to its monitoring centre to be located as per its choice in its premises or in the premises of the Licensee. In case the security agencies intend to locate the equipment at Licensee's premises for facilitating monitoring, the Licensee should extend all support in this regard including Space and Entry of the authorized security personnel.</p>
4	<p>PART-II, CHAPTER-XIV, COMMERCIAL VSAT CUG SERVICE</p> <p>2. Scope of VSAT CUG Service: Scope of this Authorization is to provide the following: 2.1 (i): (a) Data connectivity between various sites scattered within territorial boundary of India using VSATs. The users of the service should belong to a</p>	<p>PART-II, CHAPTER-XIV, COMMERCIAL VSAT CUG SERVICE</p> <p>2. Scope of VSAT CUG Service: Scope of this Authorization is to provide the following: 2.1 (i): (a) Data connectivity between various sites scattered within territorial boundary of India using VSATs. The users of the service should belong to a</p>

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<p>Closed User Group (CUG).</p> <p>(b) VSAT licensee after obtaining ISP license may use same Hub station and VSAT (remote station) to provide Internet service directly to the subscribers, and in this case VSAT (remote station) may be used as a distribution point to provide Internet service to multiple independent subscribers.</p> <p>(c) Backhaul connectivity for cellular mobile services through satellite using VSAT to the Access Service providers.</p> <p>(d) Backhaul connectivity using VSAT to Access Service Providers for establishing Wi-Fi hotspots.</p> <p>(e) The VSAT terminal of the Commercial VSAT CUG Service provider, which is used to provide cellular mobile backhaul link or Wi-Fi hotspot backhaul link, is to be located in the service area of the Access service provider, where the backhaul link is used. However, the VSAT hub can be located anywhere in the country. The link from the hub station to the respective network element of the cellular mobile network can be provided through the terrestrial connectivity obtained from an authorized service provider.</p>	<p>Closed User Group (CUG).</p> <p>(b) VSAT licensee after obtaining ISP license may use same Hub station and VSAT (remote station) to provide Internet service directly to the subscribers, and in this case VSAT (remote station) may be used as a distribution point to provide Internet service to multiple independent subscribers.</p> <p>(c) Backhaul connectivity for cellular mobile services through satellite using VSAT to the Access Service providers.</p> <p>(d) Backhaul connectivity using VSAT to Access Service Providers for establishing Wi-Fi hotspots.</p> <p>(e) The VSAT terminal of the Commercial VSAT CUG Service provider, which is used to provide cellular mobile backhaul link or Wi-Fi hotspot backhaul link, is to be located in the service area of the Access service provider, where the backhaul link is used. However, the VSAT hub can be located anywhere in the country. The link from the hub station to the respective network element of the cellular mobile network can be provided through the terrestrial connectivity obtained from an authorized service provider.</p> <p>(f) VSAT terminal may also be used to aggregate the traffic from M2M/ IoT devices/aggregator devices.</p> <p>(g) VSAT licensee may use VSAT to provide backhaul connectivity to service providers having license/ Authorization/ Registration for M2M services.</p> <p>(h) User terminal stations on moving platforms are also permitted for provisioning of connectivity subject to compliance to relevant TEC standard(s)</p>
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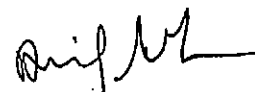
<p>4. Technical Conditions:</p> <p>4.2 Use of space segment on INSAT satellite:</p> <p>(i) The required space segment shall be obtained by the Licensee from Department of Space (DOS) on INSAT satellite on terms and conditions as specified by Department of Space (DOS) from time to time.</p> <p>(ii) The space segment charges will be payable to DOS as applicable from time to time.</p> <p>(iii) As mentioned in Chapter VII of the license agreement, separate clearances/ license shall be obtained by the Licensee directly from the WPC Wing of DoT.</p> <p>(iv) The space segment monitoring charges shall be payable to NOCC by Licensee as per the rates decided by Licensor.</p> <p>4.3 (v) The hub station shall have the auto tracking facility to access all the satellites in INSAT Geo stationary arc. The hub station shall have 4 Port feed and motorized polarization adjustment facility.</p> <p>5. Roll out Obligation:</p> <p>5.1 The Licensee shall roll out the network by installing and commissioning a HUB Station for Star Network configuration or at least two VSAT Terminals in case of Mesh Network configuration within 12 months from the date of frequency allotment by WPC. The Licensee shall</p>	<p>and conditions mentioned therein.</p> <p>4. Technical Conditions:</p> <p>4.2 Use of space segment:</p> <p>(i) The required space segment shall be obtained by the Licensee from Department of Space (DoS) or space segment provider duly authorized by DoS on terms and conditions as specified by DoS or space segment provider from time to time.</p> <p>(ii) The space segment charges will be payable to DoS/space segment provider as applicable from time to time.</p> <p>(iii) As mentioned in Chapter VII of the license agreement, separate clearances/license shall be obtained by the Licensee directly from the WPC Wing of DoT.</p> <p>(iv) The space segment monitoring charges shall be payable to NOCC by Licensee as per the rates decided by Licensor.</p> <p>4.3 (v) Stands deleted.</p> <p>5. Roll out Obligation:</p> <p>5.1 The Licensee shall roll out the network by installing and commissioning a HUB Station for Star Network configuration or at least two VSAT Terminals in case of Mesh Network configuration within 12 months from the date of frequency allotment by WPC. The Licensee shall</p>
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	approach WPC for frequency allotment within 1 month of date of allocation of transponder bandwidth by Department of Space.	approach WPC for frequency allotment within 1 month of obtaining transponder bandwidth from Department of Space (DoS) or space segment provider duly authorized by DoS.
5	<p>PART-II CHAPTER-XV, INSAT MOBILE SATELLITE SYSTEM-REPORTING (MSS-R) SERVICE</p> <p>1. Service Area: to 8. Security Conditions:</p>	<p>PART-II CHAPTER-XV, INSAT MOBILE SATELLITE SYSTEM-REPORTING (MSS-R) SERVICE</p> <p>Whole Chapter-XV on INSAT MOBILE SATELLITE SYSTEM-REPORTING (MSS-R) SERVICE stands deleted.</p> <p>(This authorization shall not be issued henceforth. However, the existing authorizations of INSAT MSS-R shall continue till their validity date.)</p>

2. This amendment shall be effective with immediate effect.

3. This amendment shall be part and parcel of the Unified License Agreement, and all other Terms & Conditions shall remain unchanged.



(Anil Kumar Gehlot)
Director (AS-I)

For and on behalf of the President of India
Ph. No. 23036864

Copy to:

1. Secretary (TRAI).
2. DGT, DoT (HQ).
3. Advisor (Economics)/ Wireless Advisor/ Sr. DDG (TEC).
4. DDG (CS)/DDG (DS)/DDG (Satellite)/DDG (LFP)/ DDG (LFA)/ DDG (SPPI)/ DDG (SA)/ DDG (WPF)/ DDG (A/C) for kind information please.
5. All Directors of AS Wing.
6. Director (IT) may kindly arrange to upload this letter on the website of DoT.